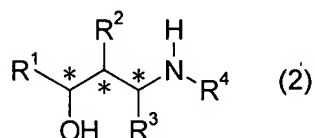


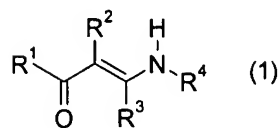
## Abstract of the Disclosure

The present invention is to provide a process for producing an optically active amino alcohol which is useful for the synthesis of natural substances and as an intermediate for drugs and agricultural chemicals in a high yield, a high selectivity and an economical manner with a good working efficiency and the present invention relates to a process for producing an optically active amino alcohol represented by the following formula (2)



(in the formula,  $\text{R}^1$  is a hydrocarbon group, a substituted hydrocarbon group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group;  $\text{R}^2$  and  $\text{R}^3$  each independently is hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, an acyl group, an acyloxy group, an alkyloxycarbonyl group, an aralkyloxycarbonyl group, an aryloxycarbonyl group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group;  $\text{R}^4$  is hydrogen atom or a protective group; two or more of  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and  $\text{R}^4$  may be bonded each other to form a ring; and \* is asymmetric carbon) or a salt thereof which comprises subjecting a compound

represented by the following formula (1) or a salt thereof to an asymmetric hydrogenation.



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(in the formula, R<sup>1</sup> is a hydrocarbon group, a substituted hydrocarbon group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group; R<sup>2</sup> and R<sup>3</sup> each independently is hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, an acyl group, an acyloxy group, an alkyloxycarbonyl group, an aralkyloxycarbonyl group, an aryloxycarbonyl group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group; R<sup>4</sup> is hydrogen atom or a protective group; two or more of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> may be bonded each other to form a ring; and a double bond is either cis or trans).